

mellari paulo minore, illi parallela; perist. simplici, margine dextro vix expansiusculo, intus medio unidentato, columellari calloso, dilatato.

Long. 4, diam. $2\frac{1}{2}$ mill.; ap. 2 mill. longa.

Hab. Port Louis Harbour, Mauritius.

PLECOTREMA EXIGUA, H. Ad. (Pl. XIX. fig. 15.)

P. testa profunde rimata, ovato-conica, solida, spiraliter valde sulcata, longitudinaliter striata, pallide fulva; spira conoidea, apice mucronata; anfr. 8, planiusculis, infra suturam sulco profundo et lato exaratis, ultimo basi attenuato, pone aperturam valde cristato; apertura subobliqua, angusta; plicis parietalibus 2, superiore tuberculiformi, altera bipartita; plica columellari compressa, subhorizontali; perist. simplici, marginibus callo crasso junctis, dextro intus incrassato, tridentato, dente superiore minuto, columellari dilatato, patente.

Long. 6, diam. $3\frac{1}{2}$ mill.; ap. 2 mill. longa.

Hab. Trou d'Eaux Douces, Mauritius.

8. Descriptions of New Species of Shells.

By HENRY ADAMS, F.L.S.

(Plate XIX.)

NANINA (? ROTULA) CONULUS, H. Ad. (Pl. XIX. figs. 16, 16a.)

N. testa imperforata, trochiformi, tenui, oblique striata, superne liris spiralibus obsoletissimis signata, rubello-cornea, ad carinam et ad suturas pallidiore; spira conoidea, apice obtusiuscula, sutura distincta; anfr. 6, convexiusculis, ultimo non descendente, carinato, basi convexo; apertura subobliqua, tetragono-lunari; perist. recto, acuto, marginibus convergentibus, columellari verticali, superne breviter reflexo.

Diam. maj. 11, min. 10, alt. 12 mill.

Hab. Newera Ellia, Ceylon (Coll. F. Layard).

This species, which is closely allied to *N. concavospira*, Pfr., was obtained by Mr. Frederick Layard from Newera Ellia, Ceylon, at an elevation of 6500 feet above the level of the sea. I have referred it with doubt to the subgenus *Rotula*, the animal of the typical species, *N. detecta*, not being known. In the figure given of the animal, in this case, the truncature of the foot is distinctly shown; while the animals of certain Indian species, considered by Mr. W. T. Blanford to belong to the same subgenus, are without such truncature, the mucus-pore being above the flattened posterior extremity.

BULIMULUS (ENA) PUSILLUS, H. Ad. (Pl. XIX. fig. 17.)

B. testa sinistrorsa, rimato-perforata, cylindrico-turrita, tenui, inæqualiter striata, vix nitidula, olivaceo-fusca; spira elongata, sursum parum attenuata, apice obtusiuscula, sutura distincta;

anfr. 7, convexiusculus, ultimo $\frac{1}{3}$ longitudinis vix æquante, basi rotundato; apertura verticali, semiovali; perist. recto, marginæ columellari subverticali, superne dilatato, patente.

Long. 5, diam. 2 mill.

Hab. Matelle, Ceylon (*Coll. F. Layard*).

This small species was collected by Mr. Frederick Layard at Matelle, Ceylon, and is peculiar from being, at least so far as I know, the only sinistral land-shell that has yet been met with in the island.

APICALIA SCITULA, H. Ad. (Pl. XIX. fig. 18.)

A. testa subulata, solidiuscula, subpellucida, politissima, alba, fascia suturali subdiaphana ornata; spira attenuata, sutura indistincta; anfr. 12, apicalibus 3 stilinis, deinde planiusculus, ultimo rotundato; apertura subovalis; labio incrassato, temi, calloso; labro valde sinuato, vix incrassato.

Long. 10, diam. $3\frac{1}{2}$ mill.; ap. 3 mill. longa.

Hab. Borneo (*Coll. H. Adams*).

COLINA PYGMÆA, H. Ad. (Pl. XIX. fig. 19.)

C. testa pupiformi, tenuiuscula, flavida, strigis fulvis nonnullis ornata; spira medio inflata, sursum convexo-turrita, apice obtusiuscula; anfr. 7, convexiusculus, longitudinaliter nodosoplicatis et transverse leviter striatis; plicis longitudinalibus in anfractu ultimo fere obsoletis, striis transversis, ad suturas moniliformibus, et fusco lineatis; anfractu ultimo $\frac{2}{5}$ longitudinis æquante, contracto, et in medio subangulato; apertura semiovali, canali brevi recurvo; columella obliqua, arcuata, oblique striata, vix callosa; labro valde expanso, extrorsum incrassato.

Long. 10, diam. 3 mill.

Hab. Borneo (*Coll. H. Adams*).

This species is another interesting addition to the small genus *Colina*. The species I lately described as *C. gracilis* I find has been since described by Mr. G. B. Sowerby under the name of *C. coarctata*.

Genus PARMELLA, H. Ad.

Testa haliotidea, tenuissima, epidermide cornea, extra testam producta; spira plana, vertice laterali; anfr. paucis, ultimo maximo; apertura ampla.

This peculiar form is probably closely allied to *Parmacella*; but the shell of the latter is shown in Cuvier's figure of the typical species (*P. olivieri*) to have a posterior, terminal and rather prominent apex. It is also somewhat similar to the South American genus *Peltella*, Beck (*Gæotis*, Shuttl.), but differs in being more depressed, and in the horny polished epidermis with which it is furnished extending widely beyond the posterior part of the margin.

PARMELLA PLANATA, H. Ad. (Pl. XIX. fig. 20.)

P. testa depressissima, haliotidiformi, tenuissima, epidermide

luteo-fulva cornea politissima induta, extra marginem postice late expansa, strigis incrementi subplicata; spira minutissima, plana, sutura distincta, vertice laterali, ad $\frac{1}{4}$ diametri maximi posito; anfr. 3, rapide accrescentibus, ultimo maximo, horizontaliter compresso, peripheria rotundato; apertura subhorizontali, ovato-lunari, spira intus conspicua.

Diam. maj. 15, min. 10 mill., epidermide exclusa.

Hab. Fiji Islands (*Coll. H. Adams*).

BULIMUS (MESEMBRINUS) GEALEI, H. Ad. (Pl. XIX. fig. 21.)

B. testa subperforata, oblongo-ovata, tenui, oblique striata, striis spiralibus rugosis decussata, nitida, straminea, fasciis fuscis interruptis plerumque ornata; spira conica, acutiuscula, sutura submarginata; anfr. 6, planiusculis, ultimo spiram subaequante, basi rotundato; apertura parum obliqua, ovali-oblonga; perist. simplici, recto, margine columellari superne appresso-reflexo, perforationem fere claudente, basali arcuato.

Long. 29, diam. 14 mill.

Hab. Mexico. Collected by Mr. Boucard.

9. Descriptions of New Species of Shells from Japan.

By ARTHUR ADAMS, F.L.S. &c.

(Plate XIX.)

1. AGADINA GOULDI, A. Ad. (Pl. XIX. fig. 22.)

A. testa vix umbilicata, helicoidea, subinflata, tenui, pellucida; anfr. $3\frac{1}{2}$, rapide accrescentibus; apertura obliqua, cucullata.

Diam. $1\frac{1}{2}$ mill.

Hab. Kino-Osima, in shell-sand.

This species is much smaller than *A. cucullata* of Gould, which he states is a quarter of an inch in diameter.

2. AGADINA STIMPSONI, A. Ad. (Pl. XIX. fig. 23.)

A. testa profunde umbilicata, planorboidea, depressa, tenui, albida; anfr. $3\frac{1}{2}$, lente accrescentibus; apertura obliqua, campanulata.

Operculum tenuissimum, corneum, extus concavum, multispirale.

Diam. 1 mill.

Hab. Kino-Osima, in shell-sand.

This is much more depressed and planorbular than the former, and the umbilicus is deeper and more open.

MANGELIA SPLENDIDA, A. Ad. (Pl. XIX. fig. 24.)

M. testa elongato-fusiformi, solidula, subpellucida, nitida, longitudinaliter plicata plicis obtusis inaequalibus, spiraliter lineata lineis elevatis subdistantibus, postice prominentibus et validioribus munita; albida, maculis fasciisque interruptis ferrugineis ornata; spira turrita, apice submamillato, sutura im-



G.B. Sowerby lith.

M & N Harhart imp